

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0022	Overall LMA Rating	Total LMA Miles						
Yolo County Service Area 6	U	5.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	7.24	0.34	8.60	146.60%		0.14		
Trim / Thin Trees	0.05	0.01	0.09	1.53%				
Encroachments	0.28		0.28	4.77%	0.19			
Animal Control	0.06		0.06	1.02%				
Erosion / Bank Caving	0.01		0.01	0.17%				
Operations & Maintenance Manuals	0.06		0.06	1.02%				
<i>Supplemental</i>								
USACE Erosion Survey	0.91		0.91	15.51%				
DWR UCIP Field Study					0.20	0.03		
<i>LMA Totals:</i>	8.61	0.35	10.01	170.63%	0.39	0.17	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Yolo County Service Area 6

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2014 Levee Inspection Results
Yolo County Service Area 6**

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank of Sacramento River at Knights Landing			Right	5.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/17/2014 - 04/17/2014		11/12/2014 - 11/12/2014	
DWR Inspector	John Williamson		Clay Thomas	
Accompanied By	Regina Espinosa Yolo County		Regina Espinosa Yolo County	
	Chris Starke Yolo County		Chris Starke Yolo County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start		Rating **	M	Issue No.	33
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0022_01_s_2013_33				
Action/Comments					
Inspector Comments: Yolo County Service Area 6 does not have levee manuals for this levee.					

No Photos

LM Start		Rating **	A	Issue No.	34
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_NA0022_01_s_2013_34				
Action/Comments					
Inspector Comments: Yolo County OES has a written flood response plan and flood response training.					

No Photos

LM Start		Rating **	A	Issue No.	38
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_NA0022_01_s_2012_38				
Action/Comments					
Inspector Comments: Yolo County OES has a stockpile of flood response material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.03	Rating **	U	Issue No.	6
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.799606 °	38.801368 °
				-121.724048 °	-121.722054 °
DWR ID	DWR_NA0022_01_s_2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

LM Start	0.03	Rating **	U	Issue No.	6 (cont)
LM End	0.20	Issue Type +	Ma	Location *	WS

LM Start	0.03	Rating **	U	Issue No.	6 (cont)
LM End	0.20	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2014_NA0022_350_6_20141014_00008.jpg



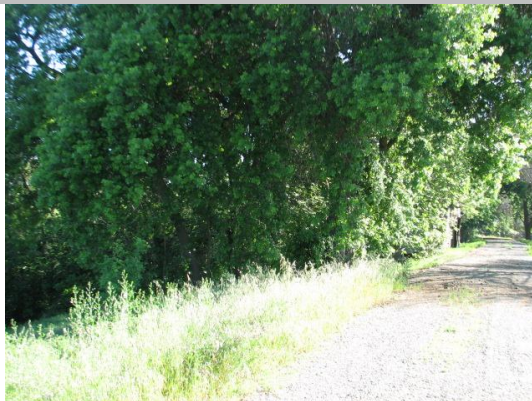
Tall vegetation, trees and brush block visibility. Fall 2013

Photo 2 of 3 : FA_2014_NA0022_350_6_20141014_00009.jpg



Trees and brush block visibility. Fall 2013

Photo 3 of 3 : FA_2014_NA0022_350_6_20141014_00010.jpg



Tall vegetation and trees block visibility. Spring 2014

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.03	Rating **	M	Issue No.	13
LM End	0.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.799500 °	38.801298 °
				-121.724098 °	-121.722144 °
DWR ID	DWR_NA0022_01_s_2014_13				
Action/Comments					
Keep the crown roadway free of vegetation.					

Photo 1 of 1 : FA_2014_NA0022_350_13_20141014_00017.jpg



The vegetation needs to be controlled on the crown. Spring 2014

LM Start	0.13	Rating **	M	Issue No.	10
LM End	0.13	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800647 °	38.800647 °
				-121.723212 °	-121.723212 °
DWR ID	DWR_NA0022_01_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:31903					
EP_NO: 9425					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee.					
FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 3.0-feet below the crown. Pump structure in channel. (ABO Permit No. 9425-1974).					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.15	Rating **	M	Issue No.	29
LM End	0.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800828 °	38.800828 °
				-121.722902 °	-121.722902 °
DWR ID	DWR_NA0022_01_s_2012_29				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_NA0022_350_29_20141014_00036.jpg



The old barn is on the waterside of the levee. Fall 2013

LM Start	0.20	Rating **	M	Issue No.	31
LM End	0.20	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801280 °	38.801280 °
				-121.722000 °	-121.722000 °
DWR ID	DWR_NA0022_01_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:31904					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to properly abandon per Title 23 if corssing is no longer used--debris inside concrete box and near site. Need to contact owner.					
FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 14.5-feet below the crown. Slide gate in concrete box on the waterward bank.					
(ABO Permit - 1976).					
FS Date: 3/4/2014					

No Photos

LM Start	0.22	Rating **	M	Issue No.	28
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801500 °	38.801613 °
				-121.721878 °	-121.721328 °
DWR ID	DWR_NA0022_01_s_2012_28				
Action/Comments					
Building					
Inspector Comments: RV park runs on and along levee to bridge					

Photo 1 of 2 : FA_2014_NA0022_350_28_20141014_00034.jpg



The RV park is encroached into the levee crown. Fall 2013

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.22	Rating **	M	Issue No.	28 (cont)	
LM End	0.26	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.801500 °		38.801613 °
				-121.721878 °		-121.721328 °
DWR ID	DWR_NA0022_01_s_2012_28					
Action/Comments						
Building						
Inspector Comments: RV park runs on and along levee to bridge						

Photo 2 of 2 : FA_2014_NA0022_350_28_20141014_00035.jpg



Trailers on the crown of the levee. Spring 2014

LM Start	0.26	Rating **	M	Issue No.	48
LM End	0.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801597 °	38.801597 °
				-121.721226 °	-121.721226 °
DWR ID	DWR_NA0022_01_f_2014_48				
Action/Comments					
Inspector Comments: FS_ID:33654					
EP_NO: 9424					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to determine alignment of crossing--it's either through levee or along landward side. It appears that the waterline goes along landward side. Need to contact owner to obtain additional information about crossing. 2 inch metal pipe sticking out at the waterward berm edge.					
FIELD_STRUCT_DESC: Water pipe through the levee. Faucets in the landward slope. (ABO Permit No. 9407-1974).					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.31	Rating **	A/W	Issue No.	27
LM End	0.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801720 °	38.801840 °
				-121.720447 °	-121.720030 °
DWR ID	DWR_NA0022_01_s_2012_27				
Action/Comments					
Landscaping Inspector Comments: I have talked to the owner about a permit and he continues to landscape the landside slope with no permit. Owner has added fence across levee. I gave her an application and did a field investigation report.					

Photo 1 of 1 : FA_2014_NA0022_350_27_20141014_00033.jpg



Landscaping is encroach into the levee easement. Fall 2013

LM Start	0.33	Rating **	M	Issue No.	49
LM End	0.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801867 °	38.801867 °
				-121.719923 °	-121.719923 °
DWR ID	DWR_NA0022_01_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:31906 EP_NO: 17016 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm crossing alignment--steel pipe visible on waterward side however, unable to confirm if crossing is the same one found during field confirmation. Need to contact owner to verify alignment and status of crossing. Slope was too steep to verify and obtain additional information about pipe. FIELD_STRUCT_DESC: Three 2-inch diameter and three 1.5-inch diameter fiber optic conduits through the levee, encased in a single HDPE conduit, 30-feet below the levee crown. Concrete caps on both ends of the casing, on the landward and waterward sides. Voids in the HDPE conduit grouted. (Permit No. 17016-2000). FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.35	Rating **	A/W	Issue No.	26
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801967 °	38.802105 °
				-121.719727 °	-121.718963 °
DWR ID	DWR_NA0022_01_s_2012_26				
Action/Comments					
Building Inspector Comments: Apartments with chainlink fence with lathe woven into it.					

Photo 1 of 1 : FA_2014_NA0022_350_26_20141014_00032.jpg



The apartments and fence along the toe of the levee. Fall 2013

LM Start	0.50	Rating **	M	Issue No.	395
LM End	0.55	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802120 °	38.801882 °
				-121.716867 °	-121.716165 °
DWR ID	DWR_NA0022_01_f_2013_395				
Action/Comments					
Material					

Photo 1 of 1 : FA_2014_NA0022_350_395_20141014_00060.jpg



Material blocking visibility on the waterside of the levee. Fall 2013

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.51	Rating **	M	Issue No.	50
LM End	0.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062 °	38.802062 °
				-121.716740 °	-121.716740 °
DWR ID	DWR_NA0022_01_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:31627					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 285+27).					
FS Date: 3/4/2014					

No Photos

LM Start	0.55	Rating **	A/W	Issue No.	24
LM End	0.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801910 °	38.801823 °
				-121.716170 °	-121.715683 °
DWR ID	DWR_NA0022_01_s_2012_24				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2014_NA0022_350_24_20141014_00030.jpg



The lawn area is on the levee waterside and crown. Fall 2013

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.56	Rating **	M	Issue No.	51
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801855 °	38.801855 °
				-121.716003 °	-121.716003 °
DWR ID	DWR_NA0022_01_f _ 2014_51				
Action/Comments					
Inspector Comments: FS_ID:38995					
EP_NO: 17649					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 1 inch line visible on landward side (38.801855, -121.716003) unable to confirm if line is the line authorized. Need to contact owner to confirm installation and size.					
FIELD_STRUCT_DESC: 2 of 2: 1.5-inch diameter water line through the levee, buried 2-feet below the levee crown. (Permit No. 17649-2004)					
FS Date: 3/4/2014					

No Photos

LM Start	0.57	Rating **	U	Issue No.	22
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801968 °	38.801077 °
				-121.715707 °	-121.713335 °
DWR ID	DWR_NA0022_01_s _ 2012_22				
Action/Comments					
Landscaping					
Inspector Comments: Oleander hedge					

Photo 1 of 1 : FA_2014_NA0022_350_22_20141014_00028.jpg



Oleanders along the shoulder.

LM Start	0.57	Rating **	A/W	Issue No.	23
LM End	0.65	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801965 °	38.801468 °
				-121.715705 °	-121.714348 °
DWR ID	DWR_NA0022_01_s _ 2012_23				
Action/Comments					
Building					
Inspector Comments: Yolo Sutter Yacht Club					

Photo 1 of 1 : FA_2014_NA0022_350_23_20141014_00029.jpg



The Yacht club is on the crown. Fall 2013

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

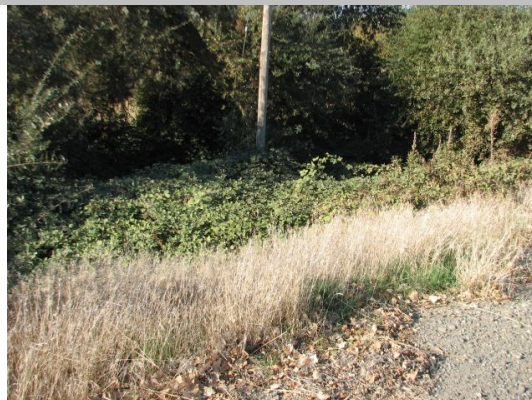
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.58	Rating **	M	Issue No.	53
LM End	0.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801798 °	38.801798 °
				-121.715584 °	-121.715584 °
DWR ID	DWR_NA0022_01_f_2014_53				
Action/Comments					
Inspector Comments: FS_ID:38188					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements.					
FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.3 feet below the crown. Plate welded on waterward end (1975). 24-inch concrete riser on the landward side.					
FS Date: 3/4/2014					

No Photos

LM Start	0.72	Rating **	M	Issue No.	2
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800962 °	38.800962 °
				-121.713173 °	-121.713173 °
DWR ID	DWR_NA0022_01_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_NA0022_350_2_20141014_00002.jpg



The berries block visibility of the levee slope. Fall 2013

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.75	Rating **	M	Issue No.	71
LM End	5.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800868 °	38.758706 °
				-121.712808 °	-121.668713 °
DWR ID	DWR_NA0022_01_f_2014_71				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 2 : FA_2014_NA0022_350_71_20141114_00062.jpg



Levee mile 0.75, vegetation on the land side slope. Fall 2014.

Photo 2 of 2 : FA_2014_NA0022_350_71_20141114_00063.jpg



Levee mile 0.75, vegetation on the water side slope. Fall 2014.

LM Start	0.75	Rating **	M	Issue No.	70
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800866 °	38.788751 °
				-121.712803 °	-121.694286 °
DWR ID	DWR_NA0022_01_f_2014_70				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.95	Rating **	M	Issue No.	54
LM End	0.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800200 °	38.800200 °
				-121.709258 °	-121.709258 °
DWR ID	DWR_NA0022_01_f_2014_54				
Action/Comments					
Inspector Comments: FS_ID:31969					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed.					
FIELD_STRUCT_DESC: 14-inch steel drain pipe through the levee. Pump and valve on waterside bank. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 266+72.2). Pipe and pump completely replaced under Permit No. 3798 (1962).					
FS Date: 3/4/2014					

No Photos

LM Start	0.97	Rating **	U	Issue No.	21
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800188 °	38.800577 °
				-121.708918 °	-121.705830 °
DWR ID	DWR_NA0022_01_s_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_NA0022_350_21_20141014_00027.jpg



The vegetation completely blocks the view of the levee slope. Fall 2011

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	1.02	Rating **	M	Issue No.	17
LM End	1.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.800246 °	38.800246 °
				-121.707858 °	-121.707858 °
DWR ID	DWR_NA0022_01_s_2014_17				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees blocking visibility and a dead tree on the levee slope.					

Photo 1 of 1 : FA_2014_NA0022_350_17_20141014_00022.jpg



A tree has fallen on the crown and blocks visibility. Spring 2014

LM Start	1.18	Rating **	M	Issue No.	20
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800778 °	38.802058 °
				-121.705135 °	-121.702633 °
DWR ID	DWR_NA0022_01_s_2012_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_NA0022_350_20_20141014_00026.jpg



The vegetation blocks the view of the levee slope. Fall 2011

LM Start	1.58	Rating **	C	Issue No.	18
LM End	1.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.800538 °	38.800538 °
				-121.699261 °	-121.699261 °
DWR ID	DWR_NA0022_01_s_2014_18				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	1.75	Rating **	M	Issue No.	55
LM End	1.75	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.798388 °	38.798388 °
				-121.698145 °	-121.698145 °
DWR ID	DWR_NA0022_01_f_2014_55				
Action/Comments					
Inspector Comments: FS_ID:31912 EP_NO: 6296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 12-inch (not 14 inch as indicated in desk study) drain pipe through the levee, 11.8-feet below the crown. 1.25 electrical conduit through the levee. Electrical control panel on waterward slope. Slant pump, mounted on steel structure on the waterward bank. Siphon breaker on the landward shoulder. Standard CM cutoff wall around pipe at centerline of levee. Pipe extends from pump to existing irrigation ditch at landward toe. (Permit No. 6296-1968) FS Date: 3/4/2014					

No Photos

LM Start	1.78	Rating **	M	Issue No.	56
LM End	1.78	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.797928 °	38.797928 °
				-121.697992 °	-121.697992 °
DWR ID	DWR_NA0022_01_f_2014_56				
Action/Comments					
Inspector Comments: FS_ID:38190					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: Abandoned 12-inch (not 18-inch as mentioned in USACE O&M manual) CM drain pipe through the levee. Gate valve in pumphouse on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 224+3.5). Drain pipe was abandoned prior to 1968.					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	1.83	Rating **	M	Issue No.	9
LM End	1.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.797228 °	38.797228 °
				-121.697577 °	-121.697577 °
DWR ID	DWR_NA0022_01_f_2013_9				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA_2014_NA0022_350_9_20141014_00013.jpg



Trees need to be trimmed up to 12 feet above the crown. Fall 2013

LM Start	1.98	Rating **	M	Issue No.	44
LM End	1.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.795492 °	38.795492 °
				-121.695963 °	-121.695963 °
DWR ID	DWR_NA0022_01_s_2013_44				
Action/Comments					
Prunings					

Photo 1 of 3 : FA_2014_NA0022_350_44_20141014_00051.jpg



Branches and small trees have fallen on the levee slope. Spring 2013

LM Start	1.98	Rating **	M	Issue No.	44 (cont)
LM End	1.98	Issue Type +	En	Location *	WS

Photo 2 of 3 : FA_2014_NA0022_350_44_20141014_00052.jpg



A tree has fallen on the waterside levee slope and shoulder. Fall 2013

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	1.98	Rating **	M	Issue No.	44 (cont)
LM End	1.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.795492 °	38.795492 °
				-121.695963 °	-121.695963 °
DWR ID	DWR_NA0022_01_s_2013_44				
Action/Comments					
Prunings					

Photo 3 of 3 : FA_2014_NA0022_350_44_20141014_00053.jpg



The tree has been cut up but there is a brush pile left. Spring 2014

LM Start	2.00	Rating **	M	Issue No.	57
LM End	2.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.795248 °	38.795248 °
				-121.695958 °	-121.695958 °
DWR ID	DWR_NA0022_01_f_2014_57				
Action/Comments					
Inspector Comments: FS_ID:40536					
EP_NO: 9413					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 15.5-feet below the crown. Gate valve on the landward end. Ramp on waterward slope. (ABO Permit No. 9413-1974).					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	2.03	Rating **	M	Issue No.	7
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.794956 °	38.794956 °
				-121.695826 °	-121.695826 °
DWR ID	DWR_NA0022_01_f_2012_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0022_350_7_20141014_00011.jpg



Many rodent hole in this location on the slope. Fall 2012

LM Start	2.07	Rating **	M	Issue No.	85
LM End	2.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.794391 °	38.794391 °
				-121.695684 °	-121.695684 °
DWR ID	DWR_NA0022_01_s_2012_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0022_350_85_20141014_00057.jpg



A rodent hole in the crown of the levee. Fall 2011

LM Start	2.07	Rating **	M	Issue No.	58
LM End	2.07	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794288 °	38.794288 °
				-121.695678 °	-121.695678 °
DWR ID	DWR_NA0022_01_f_2014_58				
Action/Comments					
Inspector Comments: FS_ID:31632					
EP_NO: 9413					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 30-inch CM gravity drainpipe through the levee, 13.5-feet below the crown. Slide gate on both ends in 48-inch CM pipe riser. Drainpipe retained under ABO Permit No. 9413 (1974). Pump on waterward side, installed under Permit No. 12804 (1980).					
FS Date: 3/4/2014					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	2.09	Rating **	M	Issue No.	59
LM End	2.09	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794035 °	38.794035 °
				-121.695870 °	-121.695870 °
DWR ID	DWR_NA0022_01_f_2014_59				
Action/Comments					
Inspector Comments: FS_ID:31915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23. FIELD_STRUCT_DESC: 20-inch CM drain pipe through the levee. 20-inch gate valve on landside slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 208+15). FS Date: 3/4/2014					

No Photos

LM Start	2.18	Rating **	M	Issue No.	8
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792956 °	38.792956 °
				-121.696025 °	-121.696025 °
DWR ID	DWR_NA0022_01_s_2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0022_350_8_20141014_00012.jpg



There are multiple rodent holes but no visible rodents. Need to backfill and compact.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	2.20	Rating **	M	Issue No.	25
LM End	2.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.792657 °	38.792657 °
				-121.695809 °	-121.695809 °
DWR ID	DWR_NA0022_01_s_2014_25				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA_2014_NA0022_350_25_20141014_00031.jpg



Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

LM Start	2.22	Rating **	M	Issue No.	40
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792499 °	38.792499 °
				-121.695508 °	-121.695508 °
DWR ID	DWR_NA0022_01_s_2012_40				
Action/Comments					
Pipe					

Photo 1 of 1 : FA_2014_NA0022_350_40_20141014_00047.jpg



Pipe along toe.

LM Start	2.22	Rating **	M	Issue No.	35
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792428 °	38.792428 °
				-121.695495 °	-121.695495 °
DWR ID	DWR_NA0022_01_s_2012_35				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0022_350_35_20141014_00040.jpg



A rodent hole needs to be backfilled and compacted.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	2.24	Rating **	M	Issue No.	39
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792283 °	38.792283 °
				-121.695447 °	-121.695447 °
DWR ID	DWR_NA0022_01_s_2012_39				
Action/Comments					
Firewood					

Photo 1 of 2 : FA_2014_NA0022_350_39_20141014_00045.jpg



The firewood pile is continuing to grow along the toe of the levee. Fall 2012

LM Start	2.24	Rating **	M	Issue No.	39 (cont)
LM End	2.24	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2014_NA0022_350_39_20141014_00046.jpg



Firewood stacked up.

LM Start	2.25	Rating **	M	Issue No.	41
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792128 °	38.792128 °
				-121.695400 °	-121.695400 °
DWR ID	DWR_NA0022_01_s_2012_41				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0022_350_41_20141014_00048.jpg



Rodents

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	2.38	Rating **	U	Issue No.	60
LM End	2.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790260 °	38.790260 °
				-121.694510 °	-121.694510 °
DWR ID	DWR_NA0022_01_f_2014_60				
Action/Comments					
Inspector Comments: FS_ID:31634 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. FIELD_STRUCT_DESC: 16-inch steel drain pipe through the levee, 4-feet below the crown. Concrete well and pumphouse on waterward side. Screw gate in pumphouse. Slant pump mounted on steel structure on the waterward bank, installed under Permit No. 5951 (1967). Concrete discharge box (4x4-foot) at toe of landward slope. Overhead powerline and anchor crosses levee. Pole on both shoulders. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 192+60). FS Date: 3/4/2014					

No Photos

LM Start	2.39	Rating **	M	Issue No.	45
LM End	2.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.790180 °	38.790180 °
				-121.694525 °	-121.694525 °
DWR ID	DWR_NA0022_01_s_2013_45				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2014_NA0022_350_45_20141014_00054.jpg



Concrete debris is at the toe of the levee. Spring 2013

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	2.47	Rating **	M	Issue No.	32
LM End	2.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.789111 °	38.789111 °
				-121.694462 °	-121.694462 °
DWR ID	DWR_NA0022_01_s_2014_32				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA_2014_NA0022_350_32_20141014_00039.jpg



Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

LM Start	2.55	Rating **	U	Issue No.	37
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.788062 °	38.788062 °
				-121.694244 °	-121.694244 °
DWR ID	DWR_NA0022_01_s_2014_37				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2014_NA0022_350_37_20141014_00044.jpg



Tree stump decomposing and may pose a risk to the levee. Spring 2014

LM Start	2.62	Rating **	A/W	Issue No.	11
LM End	2.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.786964 °	38.786964 °
				-121.694239 °	-121.694239 °
DWR ID	DWR_NA0022_01_s_2012_11				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_NA0022_350_11_20141014_00014.jpg



Garage at toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Yolo County Service Area 6

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	3.10	Rating **	M	Issue No.	5
LM End	3.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.780407 °	38.779137 °
				-121.688238 °	-121.687432 °
DWR ID	DWR_NA0022_01_f_2014_5				
Action/Comments					
Inspector Comments: 2006 - Short section is into the levee toe, rest is near the levee toe. Mass failure and fluvial erosion of depositional material. Rock at the upstream and downstream ends. 2011 - Minor new erosion. 2012 - Slope continues to steepen, tree roots have become exposed, and new eddy formed. 2013: No observed changes. [2013 Site ID: SAC_86-9_R]					

22 OCT 2019
 11:51 27° 44' 00"
 4:10 100° 41' 58"

USACE 2013 Photo #1

LM Start	3.12	Rating **	A/W	Issue No.	12
LM End	3.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781828 °	38.780852 °
				-121.689415 °	-121.688887 °
DWR ID	DWR_NA0022_01_s _2012_12				
Action/Comments					
Building					

Buildings are located at the toe of the levee. Fall 2012

LM Start	3.12	Rating **	A/W	Issue No.	12 (cont)
LM End	3.19	Issue Type +	En	Location *	LS

A photograph showing a gravel driveway on the right side of the frame, leading towards a residential property. A well-maintained green lawn occupies the middle ground, bordered by a dense line of trees and shrubs. A portion of a house with a dark roof is visible behind the trees on the left. The sky is overcast.

The buildings are encroaching into the levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	3.12	Rating **	A/W	Issue No.	43
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781701 °	38.781701 °
				-121.689357 °	-121.689357 °
DWR ID	DWR_NA0022_01_s_2014_43				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2014_NA0022_350_43_20141014_00050.jpg



A tree is dying and needs to be monitored may pose a threat to the levee. Spring 2014

LM Start	3.13	Rating **	M	Issue No.	30
LM End	3.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781676 °	38.778376 °
				-121.689327 °	-121.687447 °
DWR ID	DWR_NA0022_01_f_2012_30				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2014_NA0022_350_30_20141014_00037.jpg



Many piles are on the slope. Fall 2012.

LM Start	3.13	Rating **	M	Issue No.	30 (cont)
LM End	3.38	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_NA0022_350_30_20141014_00038.jpg



Piles of prunings are on the waterside slope. Fall 2012

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	3.17	Rating **	M	Issue No.	46
LM End	3.17	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.781107 °	38.781107 °
				-121.689052 °	-121.689052 °
DWR ID	DWR_NA0022_01_s _ 2014_46				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

Photo 1 of 1 : FA_2014_NA0022_350_46_20141014_00055.jpg



Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

LM Start	3.19	Rating **	A/W	Issue No.	47
LM End	3.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.780857 °	38.780857 °
				-121.688921 °	-121.688921 °
DWR ID	DWR_NA0022_01_s _ 2014_47				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2014_NA0022_350_47_20141014_00056.jpg



Trees have fallen and others are dying need to be monitor. They may pose a threat to the levee. Spring 2014

LM Start	3.25	Rating **	A/W	Issue No.	15
LM End	3.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.780051 °	38.780051 °
				-121.688525 °	-121.688525 °
DWR ID	DWR_NA0022_01_s _ 2014_15				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : FA_2014_NA0022_350_15_20141014_00019.jpg



Monitor dying trees they may pose to be a threat to the levee. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	3.29	Rating **	M	Issue No.	61
LM End	3.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779625 °	38.779625 °
				-121.688090 °	-121.688090 °
DWR ID	DWR_NA0022_01_f_2014_61				
Action/Comments					
Inspector Comments: FS_ID:39858					
EP_NO: 3205					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4-feet below the crown. Pump on the waterward band. Gate valve on the waterward slope. Siphon breaker in 18-inch concrete pipe riser on the landward slope. 36-inch concrete standpipe at toe of landward slope. Metal cutoff wall installed. (Permit No. 3205-1959)					
FS Date: 3/4/2014					

No Photos

LM Start	3.29	Rating **	M	Issue No.	62
LM End	3.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779543 °	38.779543 °
				-121.688170 °	-121.688170 °
DWR ID	DWR_NA0022_01_f_2014_62				
Action/Comments					
Inspector Comments: FS_ID:31916 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner--Crossing appears to be abandoned. If crossing is no longer in use, crossing need to be abandoned properly per Title 23. FIELD_STRUCT_DESC: Abandoned 12-inch steel pipe through the levee. Pump on waterward side. Concrete standpipe on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 144+80). Pipe was abandoned and replaced under Permit No. 3205 (1959). FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	3.31	Rating **	C	Issue No.	16
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.779352 °	38.779352 °
				-121.688041 °	-121.688041 °
DWR ID	DWR_NA0022_01_s_2012_16				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Fallen tree from winter storms, needs to be cleaned up.					

No Photos

LM Start	3.46	Rating **	M	Issue No.	63
LM End	3.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777190 °	38.777190 °
				-121.687048 °	-121.687048 °
DWR ID	DWR_NA0022_01_f_2014_63				
Action/Comments					
Inspector Comments: FS_ID:31917					
EP_NO: 3729					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications.					

No Photos

LM Start	3.47	Rating **	M	Issue No.	401
LM End	3.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.777198 °	38.777198 °
				-121.687040 °	-121.687040 °
DWR ID	DWR_NA0022_01_f_2013_401				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2014_NA0022_350_401_20141014_00061.jpg



Pipe has been laid on the waterside berm. Fall 2013

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	3.59	Rating **	M	Issue No.	64
LM End	3.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.775208 °	38.775208 °
				-121.687070 °	-121.687070 °
DWR ID	DWR_NA0022_01_f_2014_64				
Action/Comments					
Inspector Comments: FS_ID:38996					
EP_NO: 3722					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: Abandoned 10-inch steel drain pipe through the levee, 3.0 feet below the crown. 1-1/2 inch conduit 1 foot below the crown. Pump and gate valve on the waterward bank. Metal cutoff walls at centerline of levee. Siphon breaker on the landward shoulder in 12-inch concrete riser. Pipe connects to existing 24-inch concrete standpipe at landward toe. (Permit No. 3722-1961). No standpipe found on landward toe.					
FS Date: 3/4/2014					

No Photos

LM Start	3.70	Rating **	M	Issue No.	89
LM End	3.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.773984 °	38.773984 °
				-121.687722 °	-121.687722 °
DWR ID	DWR_NA0022_01_s_2012_89				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2014_NA0022_350_89_20141014_00059.jpg



Another tree has fallen on the waterside slope. Fall 2011

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	4.08	Rating **	M	Issue No.	65
LM End	4.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID	DWR_NA0022_01_f_2014_65				
Action/Comments					
Inspector Comments: FS_ID:38999 EP_NO: 4570 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope. FIELD_STRUCT_DESC: 16-inch drain pipe through the levee, 5.0 feet below the crown. Metal plate welded on the waterward end. Pump, 1-1/2-inch conduit, and gate valve in concrete U-headwall on waterward bank, installed under Permit 7618A (1971). Pipe extends from pump to concrete standpipe on the landward side, pipe exposed on the landward slope. Water meter in 36-inch CM pipe riser on the waterward slope. Siphon breaker on the landward shoulder, in 7-inch metal riser. 30-inch concrete riser at toe of landward slope. Metal cutoff wall installed. (Permit No. 4570-1964). FS Date: 3/4/2014					

No Photos

LM Start	4.31	Rating **	A/W	Issue No.	36
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767125 °	38.764582 °
				-121.693267 °	-121.690285 °
DWR ID	DWR_NA0022_01_s_2012_36				
Action/Comments					
Environmental Requirements.					

Photo 1 of 3 : FA_2014_NA0022_350_36_20141014_00041.jpg



USACE revegetation site photo spring 2012.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	4.31	Rating **	A/W	Issue No.	36 (cont)
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767125 °	38.764582 °
				-121.693267 °	-121.690285 °
DWR ID	DWR_NA0022_01_s_2012_36				
Action/Comments					
Environmental Requirements.					

Photo 2 of 3 : FA_2014_NA0022_350_36_20141014_00042.jpg



Another view of the site.

LM Start	4.31	Rating **	A/W	Issue No.	36 (cont)
LM End	4.57	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2014_NA0022_350_36_20141014_00043.jpg



Fence, irrigation and stakes in the revegetation site.

LM Start	4.44	Rating **	M	Issue No.	4
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.763486 °	38.763313 °
				-121.687567 °	-121.684038 °
DWR ID	DWR_NA0022_01_f_2014_4				
Action/Comments					
Inspector Comments: 2009 - Erosion into the levee toe. Some cobbles have been dumped into the erosion pockets. 2010 - Old cobble site starting to unravel. 2012 - Slope continues to steepen and new animal holes. 2013: Downstream cobble is unraveling. [2013 Site ID: SAC_85-4_R]					

Photo 1 of 1 : FA_2014_NA0022_350_4_20141014_00006.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	4.51	Rating **	M	Issue No.	66
LM End	4.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °
				-121.690963 °	-121.690963 °
DWR ID	DWR_NA0022_01_f_2014_66				
Action/Comments					
Inspector Comments: FS_ID:31986 EP_NO: 9409 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 6.4 feet below the crown. Pump and control valve on the waterward bank. Ramp on landward slope. (ABO Permit No. 9409-1974). FS Date: 3/4/2014					

No Photos

LM Start	4.60	Rating **	U	Issue No.	67
LM End	4.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.764248 °	38.764248 °
				-121.689918 °	-121.689918 °
DWR ID	DWR_NA0022_01_f_2014_67				
Action/Comments					
Inspector Comments: FS_ID:38192					
EP_NO: 18298					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue.					
FIELD_STRUCT_DESC: 14-inch steel water pipe through the levee, 2-feet below the levee crown. Supported by 6 pilings on waterside slope, extending into channel. Pump platform supported by steel structure on waterward side. Siphon breaker and air release valve on the landward shoulder. Concrete distribution box at landward toe. Rock riprap on the waterward slope. (Permit No. 18298-2007)					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	4.77	Rating **	U	Issue No.	68
LM End	4.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	DWR_NA0022_01_f_2014_68				
Action/Comments					
Inspector Comments: FS_ID:31988					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair.					
FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterward slope. No control valves. Ramp on landward slope. (ABO Permit No. 9408-1974).					
FS Date: 3/4/2014					

No Photos

LM Start	5.57	Rating **	M	Issue No.	69
LM End	5.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.759678 °	38.759678 °
				-121.674492 °	-121.674492 °
DWR ID	DWR_NA0022_01_f_2014_69				
Action/Comments					
Inspector Comments: FS_ID:31927					
EP_NO: 3811					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 10-inch steel discharge pipe through the levee, 3.6 feet below the crown. Pump at toe of waterward slope, on bank of river. Standard cutoff wall around pipe at center of levee.					
Standpipe at toe of landward slope. Siphon breaker on the landward shoulder. (Permit No. 3811-1962)					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	5.60	Rating **	M	Issue No.	1
LM End	5.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759620 °	38.759412 °
				-121.673903 °	-121.673167 °
DWR ID	DWR_NA0022_01_s_2012_1				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_NA0022_350_1_20141014_00001.jpg



The house and landscape are in the easement of the levee. Fall 2011

LM Start	5.78	Rating **	M	Issue No.	3
LM End	5.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.758877 °	38.759390 °
				-121.669365 °	-121.667500 °
DWR ID	DWR_NA0022_01_f_2014_3				
Action/Comments					
Inspector Comments: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more erosion around trees. 2013: Additional erosion into toe. [2013 Site ID: SAC_83-9_R]					

Photo 1 of 3 : FA_2014_NA0022_350_3_20141014_00003.jpg



USACE 2013 Photo #1

LM Start	5.78	Rating **	M	Issue No.	3 (cont)
LM End	5.86	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2014_NA0022_350_3_20141014_00004.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	11/12/2014 11/12/2014	Clay Thomas

LM Start	5.78	Rating **	M	Issue No.	3 (cont)	
LM End	5.86	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	USACE Erosion Survey			38.758877 °	38.759390 °	
				-121.669365 °	-121.667500 °	
DWR ID	DWR_NA0022_01_f_2014_3					
Action/Comments						
Inspector Comments: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more erosion around trees. 2013: Additional						

Photo 3 of 3 : FA_2014_NA0022_350_3_20141014_00005.jpg



USACE 2013 Photo #3

LM Start	5.91	Rating **	M	Issue No.	72
LM End	5.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.758705 °	38.758705 °
				-121.668713 °	-121.668713 °
DWR ID	DWR_NA0022_01_f_2014_72				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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